

## AMENDMENTS

### IN THE SPECIFICATION

On page 1, beneath the Title and before the paragraph entitled “Field of the Invention,” please insert the following paragraph:

#### Cross-References

This application is a divisional of U.S. Patent Application Serial No. 09/878,742, filed June 12, 2001, which is herein incorporated by reference.

### IN THE CLAIMS

Please cancel claims 1-12, 14-39 and 52-57 without prejudice.

1.-12. (Cancelled)

14.-39. (Cancelled)

40. (Original) A method for determining the concentration of at least one target constituent contained within biological fluid, the method comprising the steps of:  
providing at least one micro-needle comprising an open distal end and a lumen;  
providing an electrochemical cell within the lumen, the electrochemical cell comprising a concentrically-layered electrode configuration;  
inserting the open distal end of the micro-needle into the skin to a selected depth;  
transferring a sample of at least one target constituent within the biological fluid present at the open distal end through the lumen and into the electrochemical cell;  
providing a first electrical signal to the electrochemical cell; and  
receiving a second electrical signal generated by the electrochemical cell, wherein the second electrical signal is representative of the concentration the constituent in the biological fluid.

42. (Original) A method for determining the concentration of at least one target constituent contained within biological fluid, the method comprising the steps of:  
providing at least one hollow micro-needle comprising an open distal end, an open proximal end